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MEMORANDUM FOR: Commanding Officer
Army Map Service
6500 Brooks Lane, N.W.
Washington 25, D.C.

August 5, 1958

ATTENTION : Technical Services Division
Photo Coverage Branch

SUBJECT : Information on Aerial Photography Coverage of Libya
South of 28° North Latitude

1. The following information on the existence and availability of aerial photography and related material covering the Libyan oil concessions south of 28° North Latitude was obtained in response to a request directed to [redacted] of this office by Mr. E. R. LeCompte, Photocoverage Branch.

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A. Esso Standard Oil Company, Concessions 1 and 48
Standard-Mobil, Concession 50

All of the area included in concessions 1, 48 and 50 was flown by Jack Ammann, Photogrammetric Engineers, Incorporated, during the period June 1956 to October 1957. The photography was taken with a Fairchild K-17 camera equipped with a 6 inch lens from an altitude of 30,000 feet. The scale of the photography is 1/60,000. The quality of the photography is judged to be from good to fair. Contact prints, mosaics, index maps and planimetric maps are available by purchase from Jack Ammann; none of the material is available on loan. Kodal plates or diapositives can be purchased for \$7.50 each, in orders for more than 10 items. Attached is a line index of photography for Ammann photography south of the 28th parallel, and an index map showing maps, mosaics and photography covering areas of Libya that are available by purchase (attachments A and B).

B. Esso Standard Oil Company, Concession 58

It has been reported that Hunting Airsurveys, Limited,

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SUBJECT: Information on Aerial Photography Coverage of Libya South of 26° North Latitude

Flies 1/40,000 scale photography of Esso's concession 53 in 1957 using a DC-3 aircraft equipped with a 6 inch Wild Camera. The quality of the photography is reported to be from good to fair. The original photography is assumed to be held by Hunting, but indexes and other materials may possibly be obtained from Esso. Additional information on this photography may be available at a later date.

C. Marine Petroleum Exploration Company, Concession 54

Concession 54 was flown by Hunting Aerial Surveys, Limited, in 1957 with a DC-3 aircraft equipped with a 6 inch Wild Camera. The resultant photography is at scale 1/40,000. Quality of the photography is reported to be from good to poor. Film, indexes and other related materials are assumed to be held by Hunting and Wiley and no opportunity for domestic collection exists.

D. East International Oil Company, Concession 65 and Eastern Libya

The East International Oil Company has not contracted for photography of concession 65 and no plans for photography exist at this time. However, information has been received that the Aero Service Corporation has covered this concession, on a speculative basis, in connection with photo projects in concessions 71, 72, and 74 (see attachment B). Reports state that Aero Service flew all of the area between concessions 71, 72 and 74, on the west, and the Egyptian border on the east, and between the 28th parallel on the north and the 24th parallel on the south. Ketch plates for this photography are available for approximately \$5.00 - \$6.00, plus the cost of the original photography.

E. Gulf Oil Company, Concessions 67 and 68

Petroleum Aerial Surveys, Incorporated, has flown all of Gulf Oil Company concessions 67 (north of 26° N.), 67 and 68 using a Lockheed aircraft equipped with a K-17 camera notified with a 6 inch nitrogen lens. This photography was made in June

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and July of 1957 and is at scale 1/50,000. The photography is considered to be only fair, due to heat blazes and poor shadow contrast. Gulf is now in the process of making maps from the photography using astronomic control. Fairchild has made both photo indexes and mosaics; the mosaics have been procured and will be forwarded in a separate transmittal.

F. Esso-Mobil, Concession 72
Occidental Petroleum Company, Concession 71
Pan American Oil Company, Concession 74

The Aero Service Corporation signed a contract to fly concessions 71, 72, and 74 in April, 1958. The contract should be either complete or near completion. The photography will reportedly be at scale 1/60,000. No information as to the availability of mosaics, indexes and Kelsh plates is available at this time.

G. Pan American Oil Company, Concession 73

Reports state that the part of concession 73 south of 28° North latitude was flown by Hunting concurrently with a project for AMSEAS in concession 73 (see subparagraph H, below). In addition, Jack Ammann photography covers a very narrow area south of the 28th parallel (see attachment B and subparagraph A, above).

H. AMSEAS, (Texas Overseas Oil Company and California Asiatic Oil Company), Concession 73

Concession 73 was flown by Hunting Aerosurveys, Limited, in 1958 with a DC-3 aircraft equipped with a 6 inch camera. The resultant photography, at scale 1/40,000, is judged to be from good to poor. A set of 34 photo index maps may be borrowed, or arrangements made for their purchase. Hunting is currently using the photography to compile mosaics, which will later be shipped to Libya where they will be used in making trace maps.

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28° North Latitude

I. Pan American Oil Company, Concession 76

Concession 76 was flown by the Aero Service Corporation
at scale 1/60,000. No additional information is available at
this time.

2. Information to completely satisfy your requirement has not,
as yet been received. Such additional information that becomes avail-
able later will be forwarded by this office.

25X1A9a to 3. Any inquiries concerning this memorandum should be directed
code 143, extension 2273.

FOR THE ASSISTANT DIRECTOR, RESEARCH AND REPORTS:

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Acting Chief, Map Library Division

Enclosures: as stated

cc: AFOSM (with enclosures)
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